# A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01D53/94 F01N3/28

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{B01D} & \mbox{F01N} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

## EPO-Internal

Category °	Citation of document, with indication, where appropriate, of the relevant passages	1,2,5,9	
Χ	EP 0 984 142 A (TOYOTA JIDOSHA KK) 8 March 2000 (2000-03-08)		
Α	paragraph '0014! - paragraph '0016!; claims; figure 2	3,4,6-8, 10,11	
X	US 5 492 679 A (FRANK AMENT ET AL.) 20 February 1996 (1996-02-20)	1	
Α	column 3, line 35 - column 4, line 2; figures 2,3	2–11	
Α	WO 01/12320 A (JOHNSON MATTHEY PUBLIC LTD COMP) 22 February 2001 (2001-02-22) claims; figure 1	1-11	
А	DE 198 20 828 A (DAIMLERCHRYSLER) 18 November 1999 (1999-11-18) cited in the application claims	1–11	
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X Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the International filing date but later than the priority date claimed	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  13 October 2004	Date of mailing of the international search report $20/10/2004$
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Bogaerts, M



		FCT/Er2004/008559
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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A	EP 0 773 354 A (TOYOTA JIDOSHA KK) 14 May 1997 (1997-05-14) cited in the application claims	1-11
Α	EP 1 033 161 A (DORNIER GMBH) 6 September 2000 (2000-09-06) claims; figures 1,2	1-11
Α	EP 1 147 802 A (KEMIRA METALKAT OY) 24 October 2001 (2001-10-24)	
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